

HTML

Quick Reference

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HTML Quick Reference

- **Introduction:**

HTML (**H**yper **T**ext **M**arkup **L**anguage) is a standard language used to build the user interface for web pages. The main concept of the language is the concept of tags, that every element in the interface is built using tags

Example:

```
<html>
  <body bgcolor="RED">
  </body>
</html>
```

From the previous example we notice that every tag is placed between < > and ends between </ >, and this concept is very familiar with XML and XAML.

The tag can contain some attributes like bgcolor in the <body bgcolor='RED'></body> and this sets the background color to red.

Note:

Some tags do not need to be closed like list items and ordered list.

- **HTML and Text**

HTML is used also with text to change the behavior and the layout of text like (bold, italic or underline) text or (centered, left align or right align)

Example:

```
<html>
  <body>
    <b>A Bold Text Will be Here</b>
    <br>
    <u>Or underlined</u>
    <br>
    <i>or italic</i>
    <br>
    <b><i><u>Or all at once</u></i></b>
  </body>
</html>
```

From the previous example we get some new tags

```
<b></b>      <!--Makes the text bold -->
<u></u>      <!--Makes the text underlined -->
<i></i>      <!--Makes the text italic -->
```

There are also some other tags for text like:

```
<h1>A page header with size 1</h1>
<h2>A page header with size 2</h2>
<h3>A page header with size 3</h3>
```

To change the text font use the Font tag:

```
<Font size = "4" color = "Blue" fontface="Tahoma">
  The text goes here
</Font>
```

**To start a new line use the
 tag:**

```
<html>
  <body>
    <h1>Page Header</h1>
    <hr>          <!--Horizontal line -->
    <br>
      A text in a new line
    <br>
    <center>
      Centered text.
    </center>
    <p align = "left">
      A new left aligned paragraph
    </p>
    <p align = "center">
      Or a centered one
    </p>
    <p align = "right">
      Or a right one
    </p>
  </body>
</html>
```

Note:

*The new line tag
 doesn't have a </br> to close it, it is one of the tags that doesn't have a close one.*

- **Tables**

Tables is one of the main reasons of using HTML that pages need tables to view data and to organize the page.

The tables are built using 3 main elements:

1. the table tag <Table>
2. the table row tag <Tr>
3. the table data tage <Td>
4. there are some other tags for tables like but the first three can do everything in tables we don't need the others.

Example:

```
<html>
  <title>Sample Page</title>
  <body>
    <table border = "1" cellspacing = "1" cellpadding ="2">
      <tr>
        <td> Table cell number 1 of row 1 </td>
        <td> Table cell number 2 of row 1 </td>
      </tr>
      <tr>
        <td> Table cell number 1 of row 2 </td>
        <td> Table cell number 2 of row 2 </td>
      </tr>
      <tr>
        <td>
          <img src = "MyImage.jpg" height =
            "100" width = "100">
          </td>
        <td><a href="http://www.yahoo.com">
          Click here to goto yahoo
          </a>
        </td>
      </tr>
    </table>
  </body>
</html>
```

Note:

1. Tables also can be nested that a table can contains multiple tables in it <td> Tag.
2. You should close all tags in the table as one opened tag can destroy your table.

- **Links**

Links are needed to link pages with each others even it is a link to another page in the same website or in another website.

Example:

```
<html>
  <title>Page One</title>
  <body>
    <h1>Page One</h1>
    <br><br>
    <a href = "Page2.htm">Page 2 </a>
    <br>
    Pictures also can be a link.
    <br>
    <a href="http://www.yahoo.com">
      <img src = "MyImage.jpg" alt="My Pic">
    </a>
  </body>
</html>
```

- **Lists**

The list is very useful to organize data in items like

Unordered Lists

- o Data1
- o Data2
- o Data3

Or

Ordered Lists

1. Data1
2. Data2
3. Data3

To do this in HTML use the and tags

Example

```
<html>
  <body>
    Using the Ordered Lists
    <br>
    <Ol>
      <li>Item 1
      <li>Item 2
    </ol>
```

```

        <br>
        Or using the unordered lists
        <br>
        <ul>
            <li>Item1
            <li>Item2
        </ul>
    </body>
</html>

```

- **Forms**

The most important element in HTML language, which is responsible for sending data to other pages.

Example:

```

<html>
  <body>
    <form name = "MyForm" Method = "Post" action =
    "Page.asp">
      Username:<input type="text" name = "Username">
      <br>
      Password:<input type = "Password" name = "pass">
      <br>
      <input type = "Radio" name = "Marital Status" value =
      "Married"> Married
      <br>
      <input type = "Radio" name = "Marital Status" value =
      "Single"> Single
      <br>
      Occupation
      <select name ="Occupation">
        <option value="Eng">Engineering
        <option value="Doc">Doctor
        <option value="Std">Student
      </select>
      <br>
      Hobbies
      <br>
      <input type = "CheckBox" name="Hobbies" value =
      "Football">Football
      <br>
      <input type = "CheckBox" name="Hobbies" value =
      "Reading">Reading
      <br>
      <input type="Submit" Value = "Save Data">
      <input type="Reset" Value = "Reset">
    </form></body></html>

```